

ABSTRACT

A sensing device for: sensing coded data disposed on a surface; and generating interaction data based on the sensed coded data, the interaction data being indicative of interaction of the sensing device with the surface; the sensing device comprising:

- 5 (a) an image sensor for capturing image information;
- (b) at least one analog to digital converter for converting the captured image information into image data;
- (c) an image processor for processing the image data to generate processed image data;
- 10 (d) a host processor for generating the interaction data based at least partially on the processed image data.